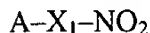


## I. AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended) A method for treatment of urinary incontinence by administering compounds having the formula:



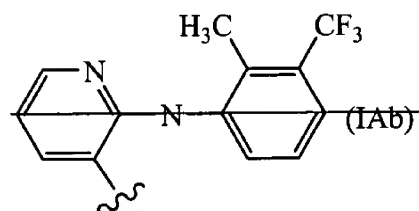
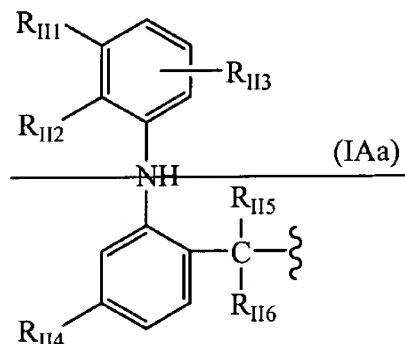
or their salts, where:

A = R(COX)<sub>t</sub>, wherein t is an integer 0 or 1;

X = O, NH, NR<sub>IC</sub> wherein R<sub>IC</sub> is a linear or branched alkyl having from 1 to 10 C atoms;

R is chosen from the following groups:

Group IA), where ~~t = 1,~~



where:

~~R<sub>II5</sub> is H, a linear C<sub>4</sub>-C<sub>3</sub> alkyl, or a branched C<sub>4</sub>-C<sub>3</sub> alkyl;~~

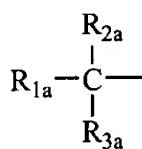
~~R<sub>II6</sub> has the same structure as R<sub>II5</sub>~~

~~R<sub>III</sub>, R<sub>II2</sub> and R<sub>II3</sub> are each hydrogen, linear C<sub>4</sub>-C<sub>6</sub> alkyl, branched C<sub>4</sub>-C<sub>6</sub> alkyl, C<sub>4</sub>-C<sub>6</sub> alkoxy, Cl, F, or Br;~~

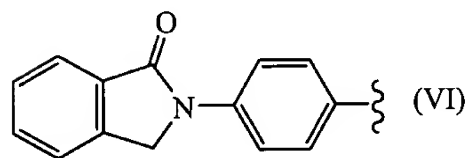
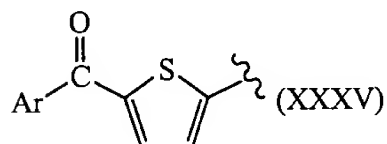
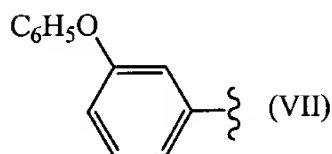
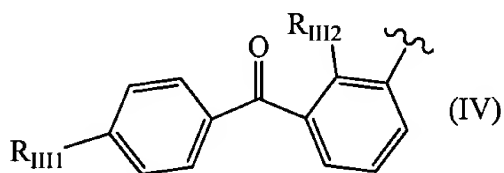
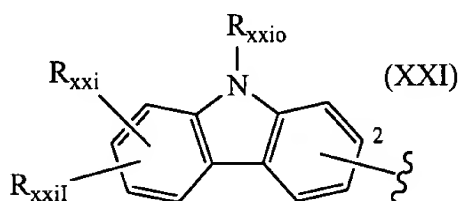
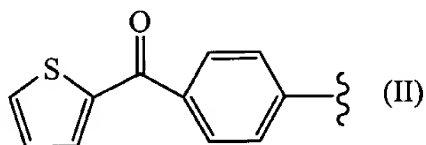
~~R<sub>II4</sub> has the same structure as R<sub>III</sub> or is bromine;~~

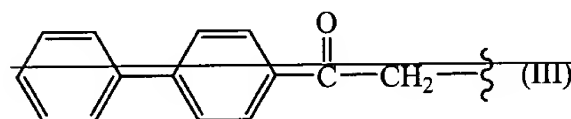
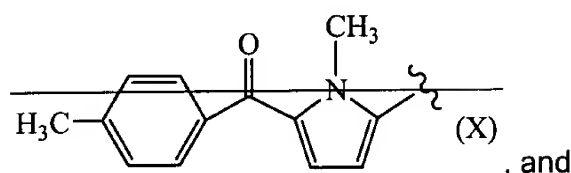
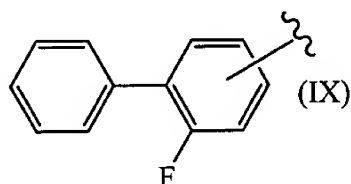
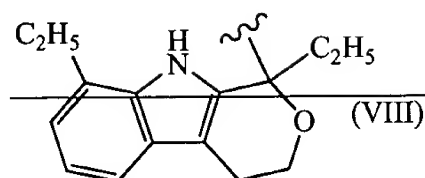
Group IIA) chosen from the following:

where, when t = 1, R is



where  $R_{2a}$  and  $R_{3a}$  are H, a linear  $C_1$ - $C_{12}$  alkyl, a branched  $C_1$ - $C_{12}$  alkyl, or allyl, with the proviso that when one of the two is allyl the other is H;  
 $R_{1a}$  is chosen from the Subgroup II Aa) consisting of:





wherein:

in the residue of formula (IV):

$R_{III}$  is H or  $SR_{III3}$  where  $R_{III3}$  contains from 1 to 4 linear or branched C atoms; and

$R_{III2}$  is H or hydroxy;

in the residue of formula (XXI):

$R_{xxi0}$  is H, a linear alkyl having 1-6 carbon atoms, a branched alkyl having from 1 to 6 carbon atoms, a  $C_1$ - $C_6$  alkoxy-carbonyl bound to a  $C_1$ - $C_6$  carboxyalkyl, or a  $C_1$ - $C_6$  alkanoyl, optionally substituted with halogen, benzyl or halobenzyl, benzoyl or halobenzoyl;

$R_{xxi}$  is H, halogen, hydroxy, CN, a  $C_1$ - $C_6$  alkyl optionally containing OH groups, a  $C_1$ - $C_6$  alkoxy, acetyl, benzyloxy,  $SR_{xxi2}$  where  $R_{xxi2}$  is a  $C_1$ - $C_6$  alkyl; a perfluoroalkyl having a 1-3 C atoms, a  $C_1$ - $C_6$  carboxyalkyl optionally containing OH groups,

NO<sub>2</sub>, sulphamoyl, dialkyl sulphamoyl with the alkyl having from 1 to 6 C atoms, or difluoroalkylsulphonyl with the alkyl having from 1 to 3 C atoms;

R<sub>xxil</sub> is halogen, CN, a C<sub>1</sub>-C<sub>6</sub> alkyl optionally containing one or more OH groups, a C<sub>1</sub>-C<sub>6</sub> alkoxy, acetyl, acetamido, or benzyloxy,

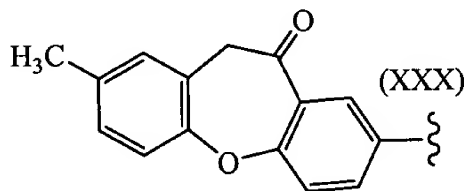
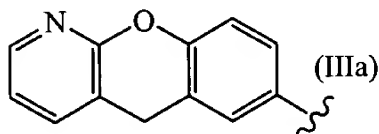
SR<sub>III3</sub> is as above defined, a perfluoroalkyl having from 1 to 3 C atoms, hydroxy, a carboxyalkyl having from 1 to 6 C atoms, hydroxy, a carboxyalkyl having from 1 to 6 C atoms, NO<sub>2</sub>, amino, mono- or dialkylamino having from 1 to 6 C atoms, sulphamoyl, a dialkyl sulphamoyl having from 1 to 6 C atoms, difluoroalkylsulphamoyl; or R<sub>xxi</sub> together with R<sub>xxil</sub> is an alkylene dioxy having from 1 to 6 C atoms;

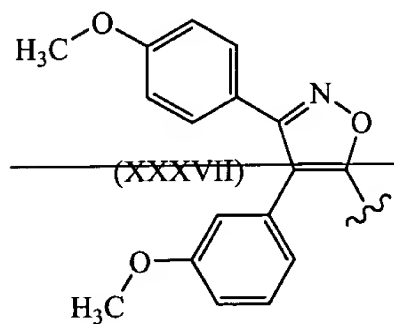
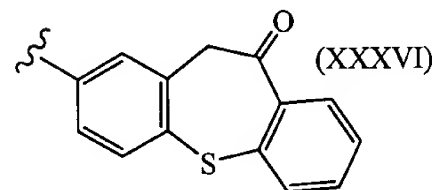
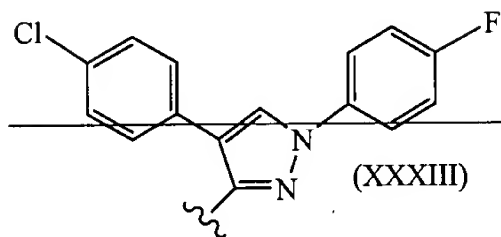
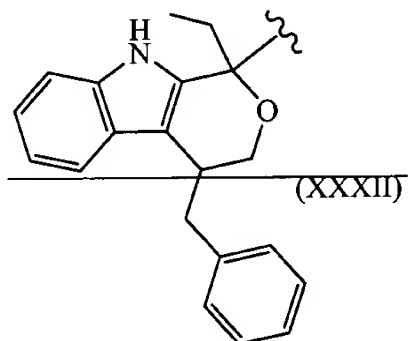
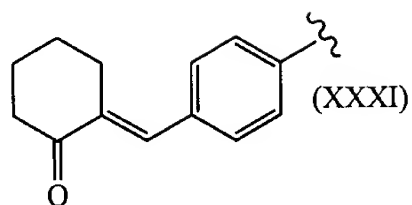
In the residue of formula (XXXV):

Ar is phenyl, hydroxyphenyl optionally mono- or polysubstituted with halogen, an alkanoyl or alkoxy having from 1 to 6 C atoms, a trialkyl having from 1-6 C atoms, cyclopentyl o-hexyl o-heptyl, thienyl, furyl, furyl containing OH, or pyridyl;

Subgroup II Ab) consisting of:

II Ab):





wherein:

when IIIa) contains  $-\text{CH}(\text{CH}_3)\text{-COOH}$  it is known as  
 pranoprofen:  $\alpha$ -methyl-5H-(1) benzopyran (2,3-b) pyridine-7-acetic  
 acid;

when residue (XXX) contains  $-\text{CH}(\text{CH}_3)\text{-COOH}$  it is known as  
 bermoprofen: dibenz[b,f]oxepin-2-acetic acid;

residue (XXXI) is known as CS-670: 2-(4-2(2-oxo-1-  
 cyclohexylidenemethyl) phenyl) propionic acid, when the radical is  
 $-\text{CH}(\text{CH}_3)\text{-COOH}$ ;

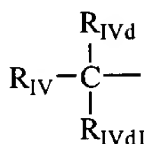
when residue (XXXII) contains group  $-\text{CH}_2\text{COOH}$  it is known as  
 pemedolac;

when residue (XXXIII) is saturated with  $-\text{CH}_2\text{COOH}$  it is known  
 as pyrazolac: 4-(4-chlorophenyl)-1-(4-fluorophenyl) 3-pyrazolyl acid  
 derivatives;

when residue (XXXVI) is saturated with  $-\text{CH}(\text{CH}_3)\text{-COO}-$  it is  
 known as zaltoprofen;

when residue (XXXVII) is  $-\text{CH}_2\text{-COOH}$  it derives from the known  
 mofezolac: 3,4-di p-methoxyphenyl) isoxazol-5-acetic acid;

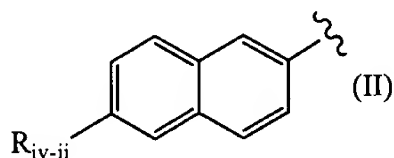
Group IIIA), where  $t = 1$ ,

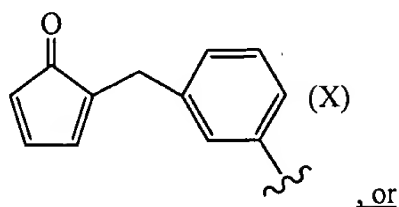


wherein:

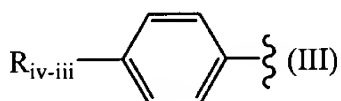
at least one of  $\text{R}_{\text{IVd}}$  and  $\text{R}_{\text{IVdI}}$  is H and the other a linear or branched  $\text{C}_1\text{-C}_6$   
 alkyl, or difluoroalkyl with the alkyl having from 1-6 C atoms, or  $\text{R}_{\text{IVd}}$  and  $\text{R}_{\text{IVdI}}$   
 jointly form a methylene group;

$\text{R}_{\text{IV}}$  has the following structure:





, or



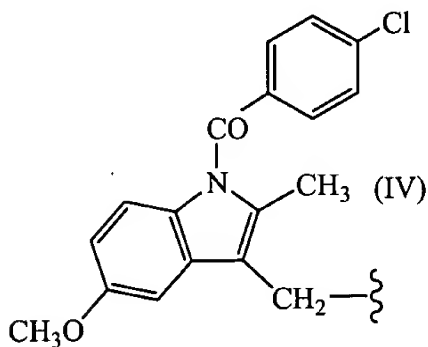
where:

in the residue of formula (II):

$R_{iv-ii}$  is selected from the group consisting of an alkyl having from 1 to 6 C atoms, a cycloalkyl having from 3 to 7 C atoms, an alkoxymethyl having from 1 to 7 C atoms, a trifluoroalkyl having from 1 to 3 C atoms, vinyl, ethynyl, halogen, an alkoxy having from 1 to 6 C atoms, a difluoroalkoxy with the alkyl having from 1 to 7 C atoms, an alkoxymethoxy having from 1 to 7 C atoms, an alkylthiomethoxy with the alkyl having from 1 to 7 C atoms, an alkylmethylthio with the alkyl having from 1 to 7 C atoms, cyano, difluoromethylthio, a substituted phenyl-, and phenylalkyl with the alkyl having from 1 to 8 C atoms;

$R_{iv-iii}$  is a  $C_2$ - $C_5$  alkyl, a  $C_2$  or  $C_3$  alkyloxy, allyloxy, phenoxy, phenylthio, a cycloalkyl having from 5 to 7 C atoms, optionally substituted at position 1 by a  $C_1$ - $C_2$  alkyl;

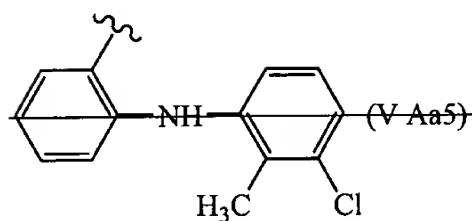
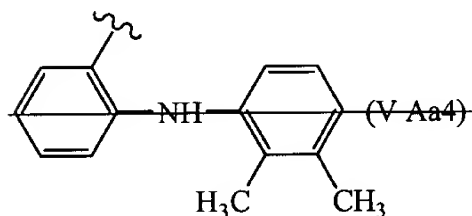
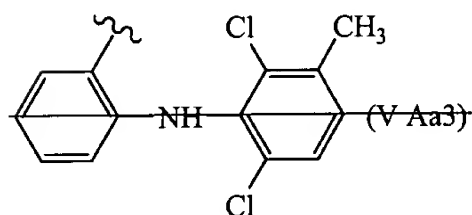
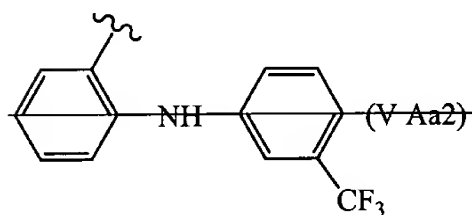
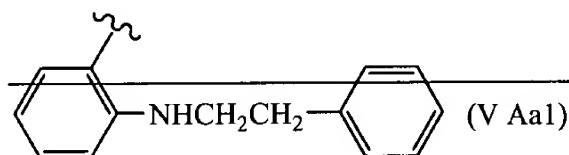
Group IV A)



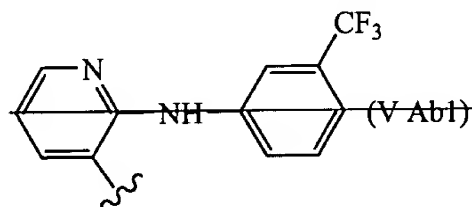
where  $A = RCOO$ ,  $t = 1$ ,

Group V A) chosen from the following:

Subgroup V Aa) residues chosen from the following, where  $t = 1$

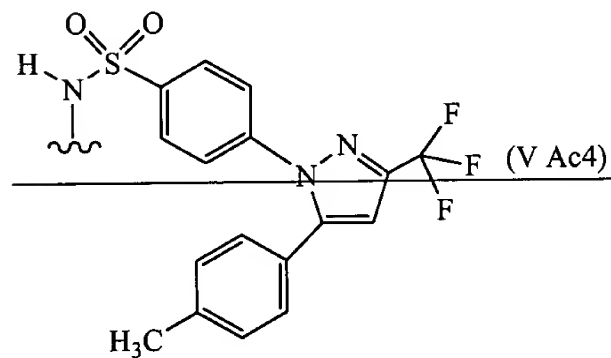
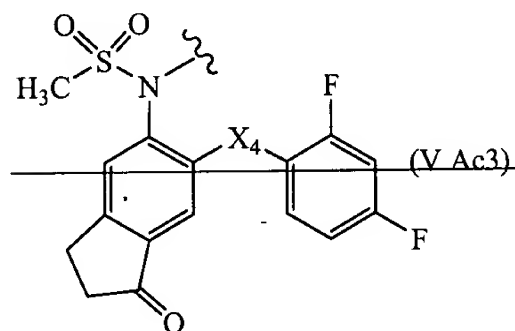
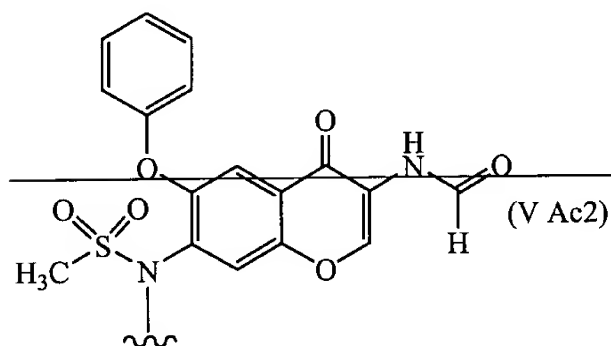
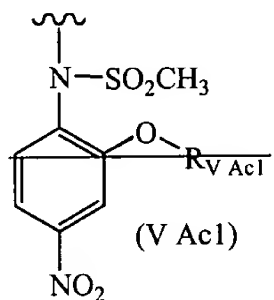


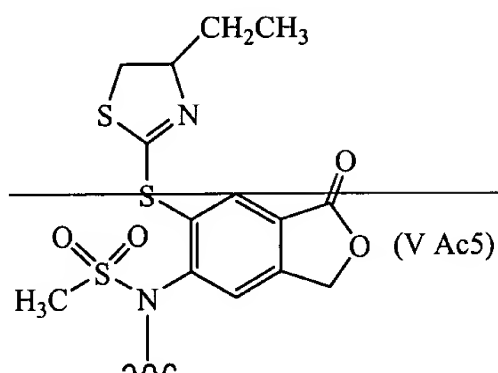
Subgroup V Ab) residue, where  $t = 1$ :



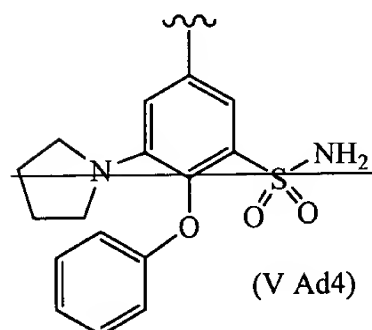
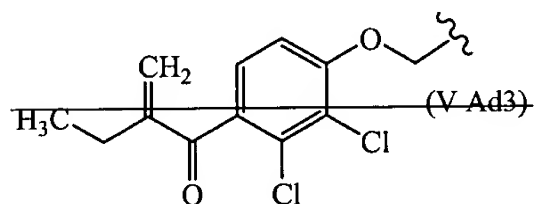
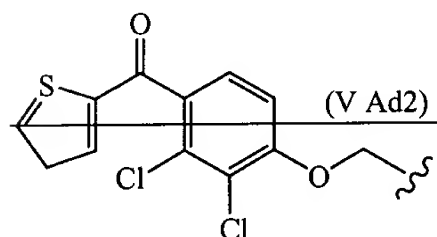
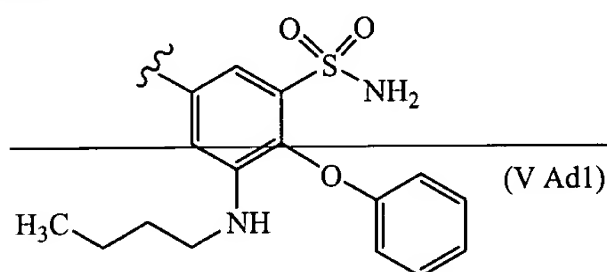


Subgroup V Ac), residue, where  $t = 0$  and R is as follows:

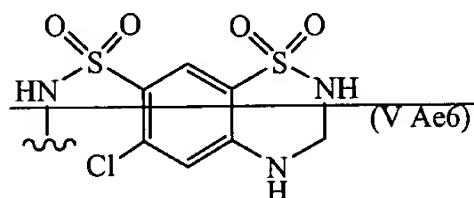
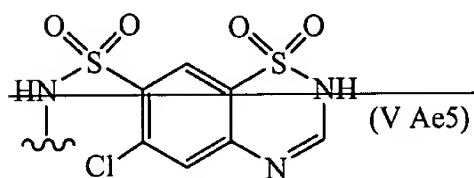
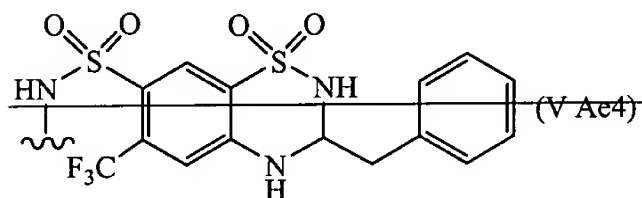
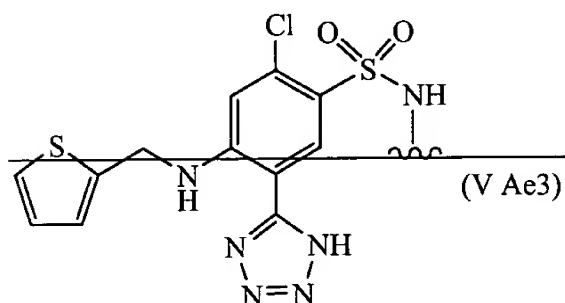
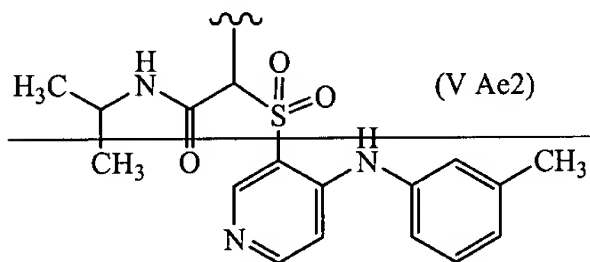
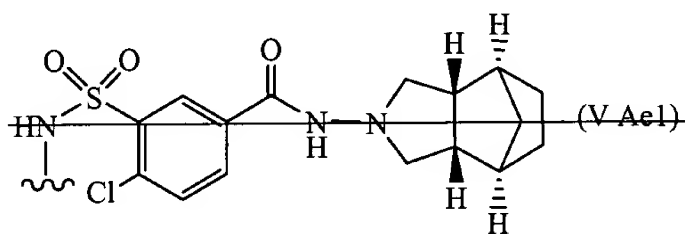


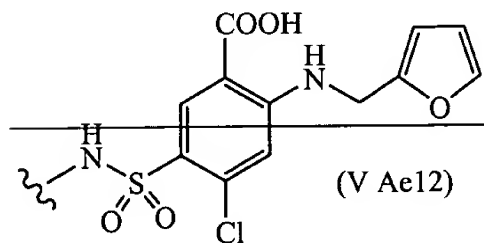
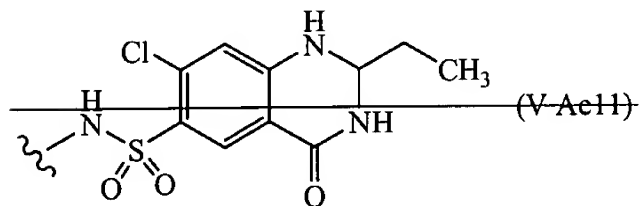
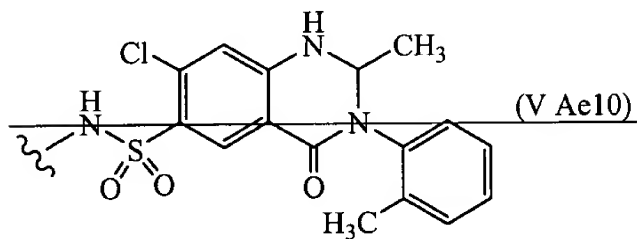
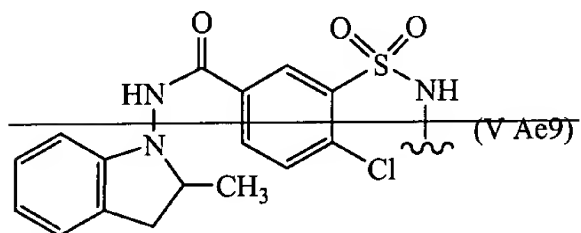
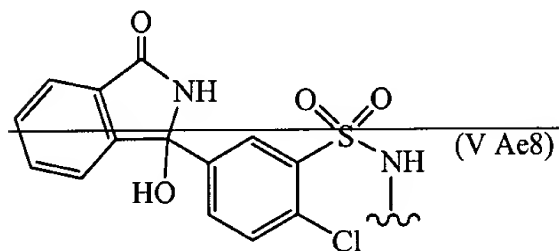
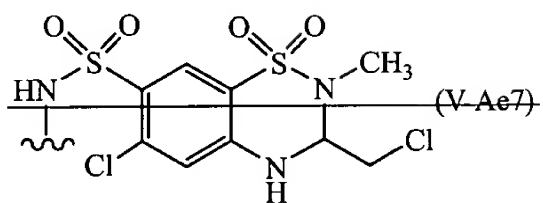


~~Subgroup V Ad) residues, where t = 1 and R is as follows:~~



Subgroup Ae) residues, where  $t = 1$  and R is as follows:





wherein:

~~in compounds (V-Ac1) Rvac1 attached to the oxygen atom in position 2 of the benzene ring of the N-(4-nitro-phenyl)methansulphonamide can be phenyl or cyclohexane, when Rvac1 is phenyl the residue is that of nimesulfide;~~

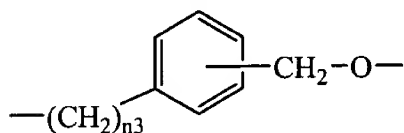
~~in compounds (V-Ac2) the residue of 3-formylamino-7-methylsulfonylamino-6-phenoxy-4H-1-benzopyran-4-one has been shown;~~

~~in compounds (V-Ac3) the atom X<sub>4</sub> that links the radical 2,4-difluorothiophenyl to position 6 of the indanone ring of the residue 5-methanesulfonamido-1-indanone can be sulfur or oxygen;~~

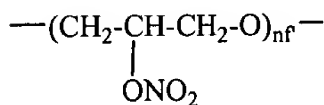
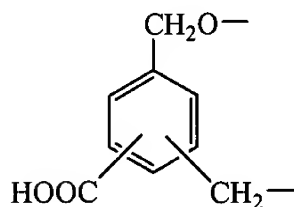
X<sub>1</sub> in formula A-X<sub>1</sub>-NO<sub>2</sub> is a bivalent connecting bridge chosen from the following:

-YO

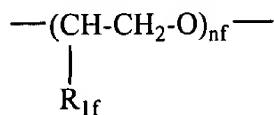
where Y is a linear or branched C<sub>1</sub>-C<sub>20</sub> alkylene, or an optionally substituted cycloalkylene having from 5 to 7 carbon atoms;



where n<sub>3</sub> is an integer from 0 to 3;



where n<sub>f</sub> is an integer from 1 to 6; and

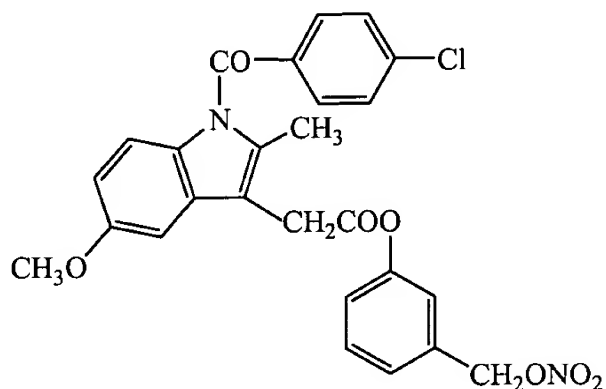


where R<sub>1f</sub> = H or CH<sub>3</sub> and n<sub>f</sub> is an integer from 1 to 6.

Claim 2. (Currently Amended) The method according to Claim 1, in which R is chosen from groups ~~IV A), V A) and II A)~~ IIA) and IVA).

Claims 3 to 8. (Canceled)

Claim 9. (Previously Presented) A compound having the following formula:



Claim 10. (Previously Presented) A method for treating urinary incontinence comprising administering to a patient in need thereof a therapeutically effective amount of the compound of claim 9 or a pharmaceutically acceptable salt thereof.

Claims 11 to 25. (Canceled)

Claim 26. (Previously Presented) A method for treating urinary incontinence comprising administering to a patient in need thereof a therapeutically effective amount of the compound flurbiprofen 4-(nitrooxy)butyl ester having the following formula:

